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(71) Applicant (for all designated States except US): QINETIQ NANOMATERIALS LIMITED [GB/GB]; Registered Office, 85 Buckingham Gate, London SW1E 6PD (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): AGBOH, Ochayl,

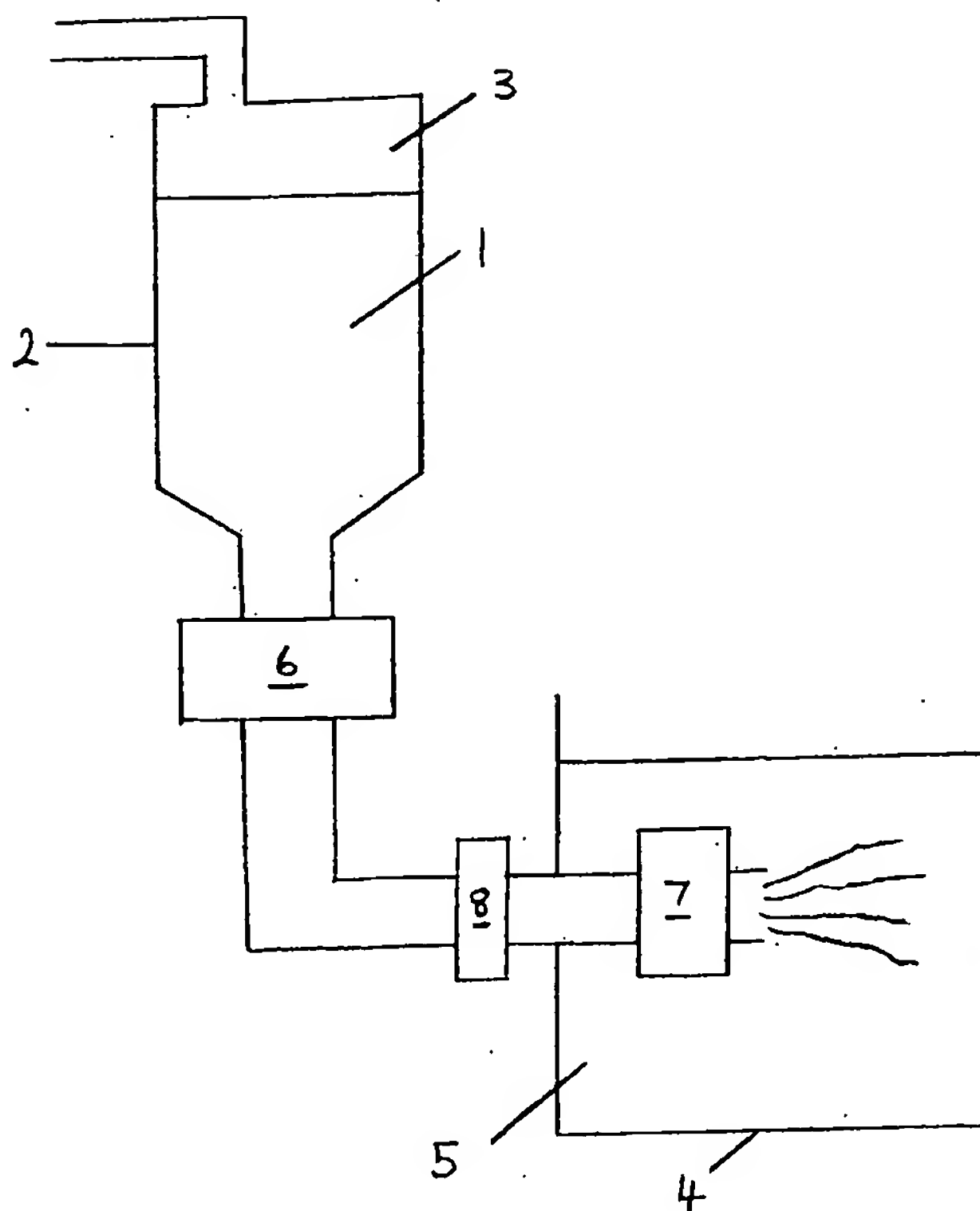
Christopher [GB/GB]; QinetiQ Limited, Cody Technology Park, Ively Road, Farnborough, Hampshire GU14 0LX (GB). PITKETHLY, Michael, Jonathan [GB/GB]; QinetiQ Limited, Cody Technology Park, Ively Road, Farnborough, Hampshire GU14 0LX (GB).

(74) Agent: LOWTHER, Deborah, J.; QinetiQ Limited, Intellectual Property, Cody Technology Park, Ively Road, Farnborough, Hants GU14 0LX (GB).

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(54) Title: METHOD OF MANUFACTURE OF POLYMER COMPOSITES



(57) Abstract: A simple and cost effective method of producing a polymer composite comprising a polymer matrix having metal nanoparticles incorporated therein comprises the steps of (i) mixing metal nanoparticles with a polymer dope; and (ii) solidifying the polymer composite from the dope. Antimicrobial fibres are produced by extruding a dope solution (1) held in a container (2) provided with an inert atmosphere (3) into a coagulating bath (4) containing a coagulant (5), by means of a pump (6) and a spinneret head (7) completely immersed in the coagulant. The dope is filtered via a filter (8) positioned behind the spinneret.

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